



## Sustainable forest management: European perspective

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UNECE-FAO Forestry and Timber Section

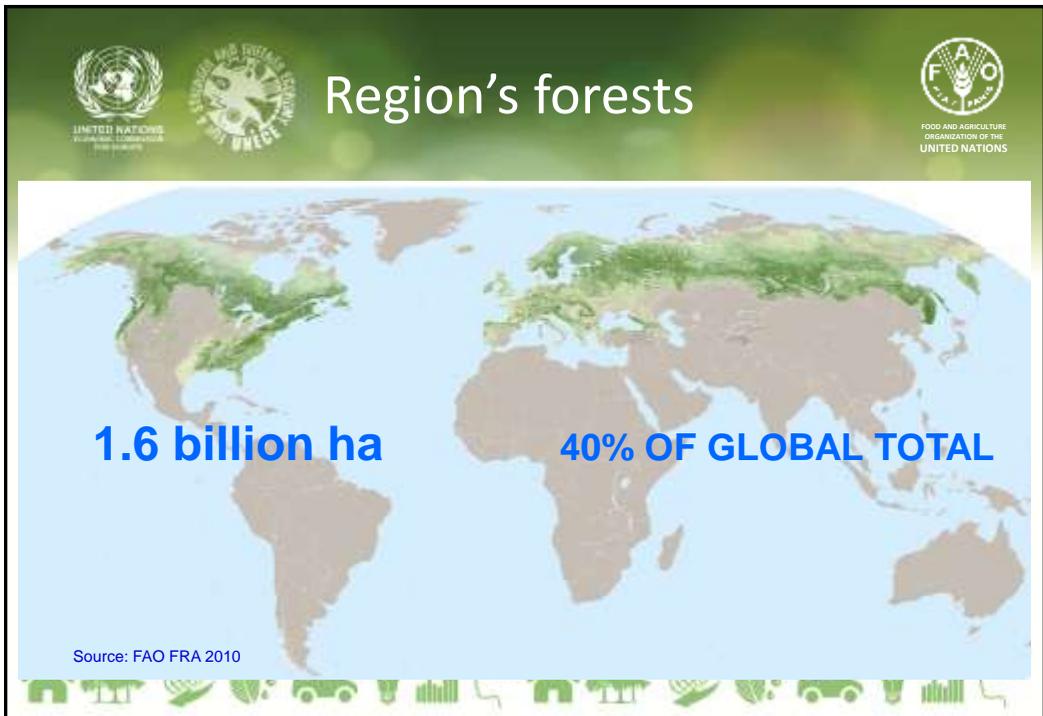
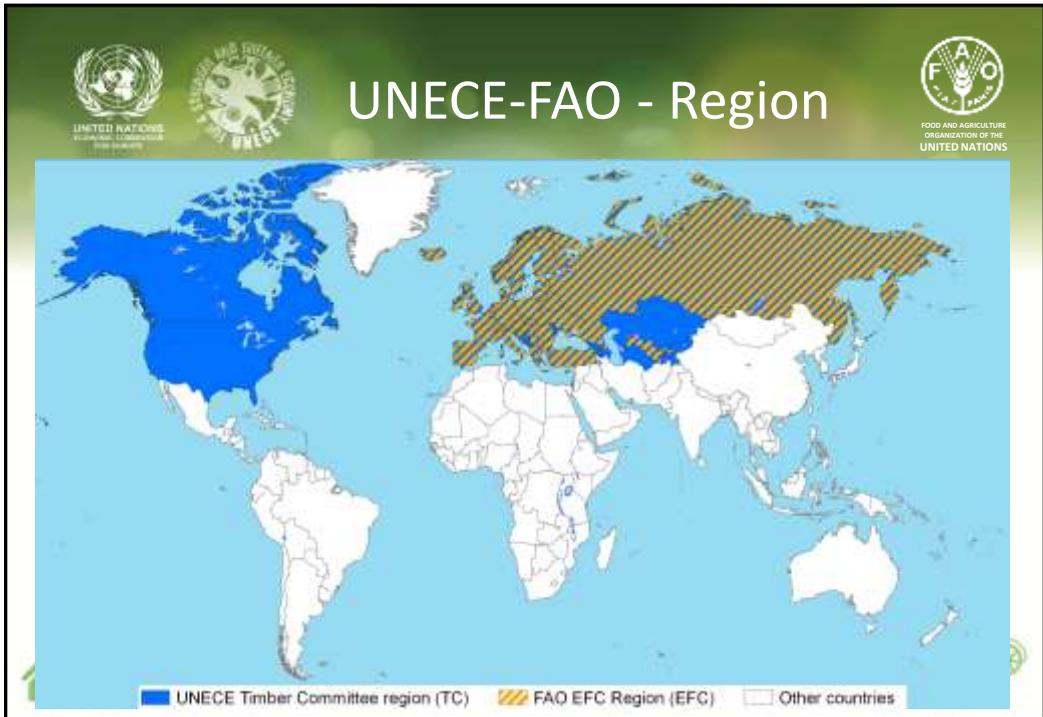
**13<sup>th</sup> Montreal Process Technical Advisory Committee Meeting**  
**'Soil and Water – telling the story for forests'**  
**2 July 2012**

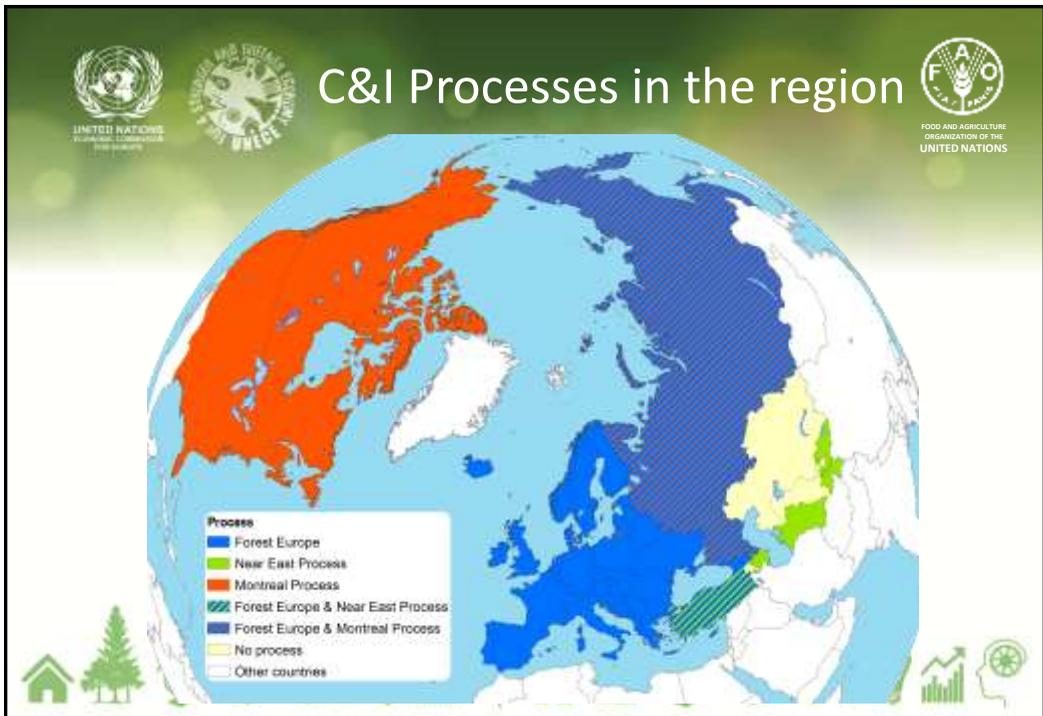
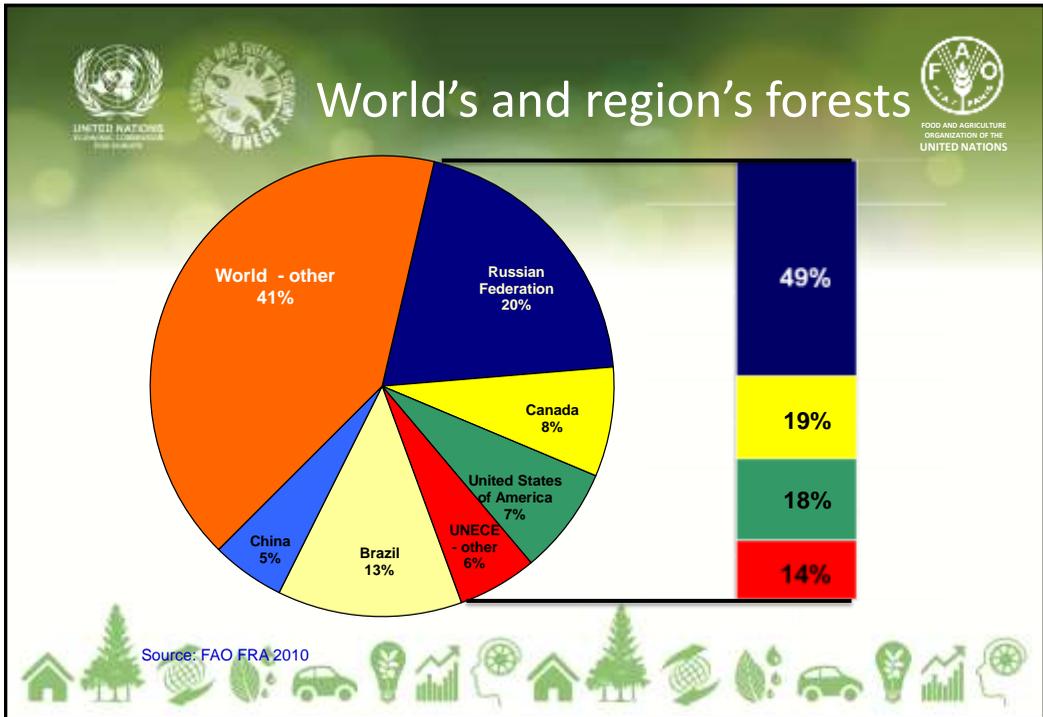



## Scope

- ECE-FAO Forestry and Timber Section
- Sustainable Forest Management in Europe:
  - Policy framework(s)
  - Status and trends
  - Future









## UNECE-FAO Forestry and Timber

- UNECE/FAO Forestry and Timber Section aims to support sustainable forest management in its region through monitoring, analyzing and supporting decision making
- We work in the areas of forest products markets, forest resources, outlook, wood energy and policy issues
- We collect and publish data, provide analysis and a forum for discussion of forest sector




## Forest information in ECE-FAO work

	Actual	Potential	Sustainability
Present / Past	Products JFSQ Energy JWEE Forests FRA/SoEF	Forests and Products PWS, EUWOOD, SoEF	SFM SoEF/FRA
Future	Products - short-term forecast	Forests and Products EUWOOD, Outlooks	SFM EFSOS II





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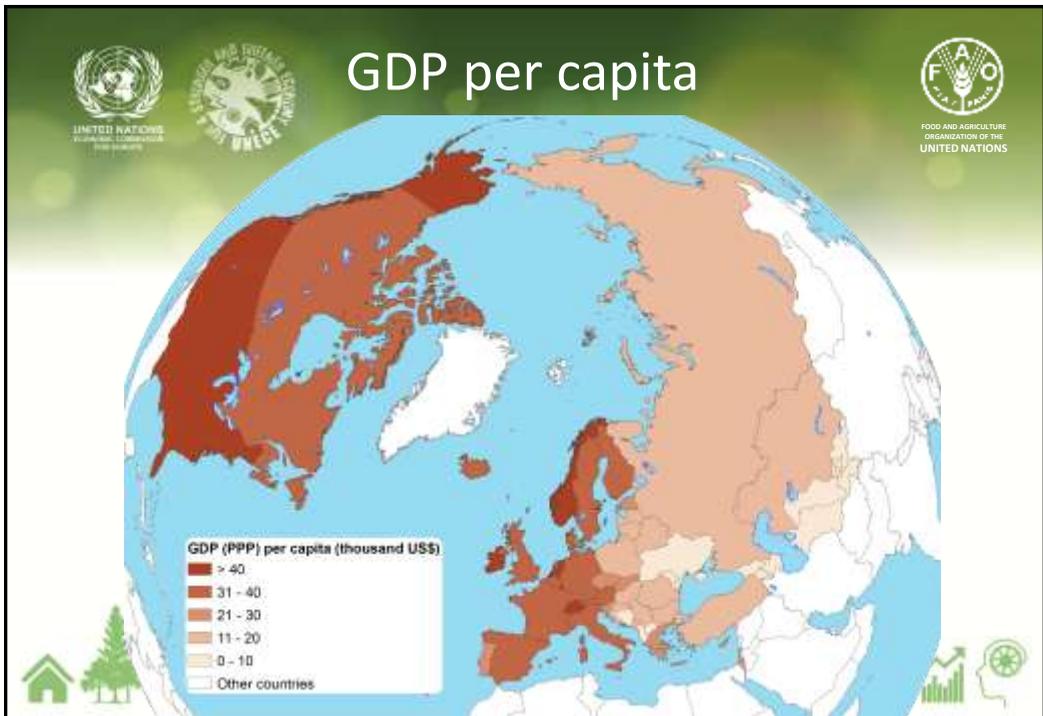

## Europe ...

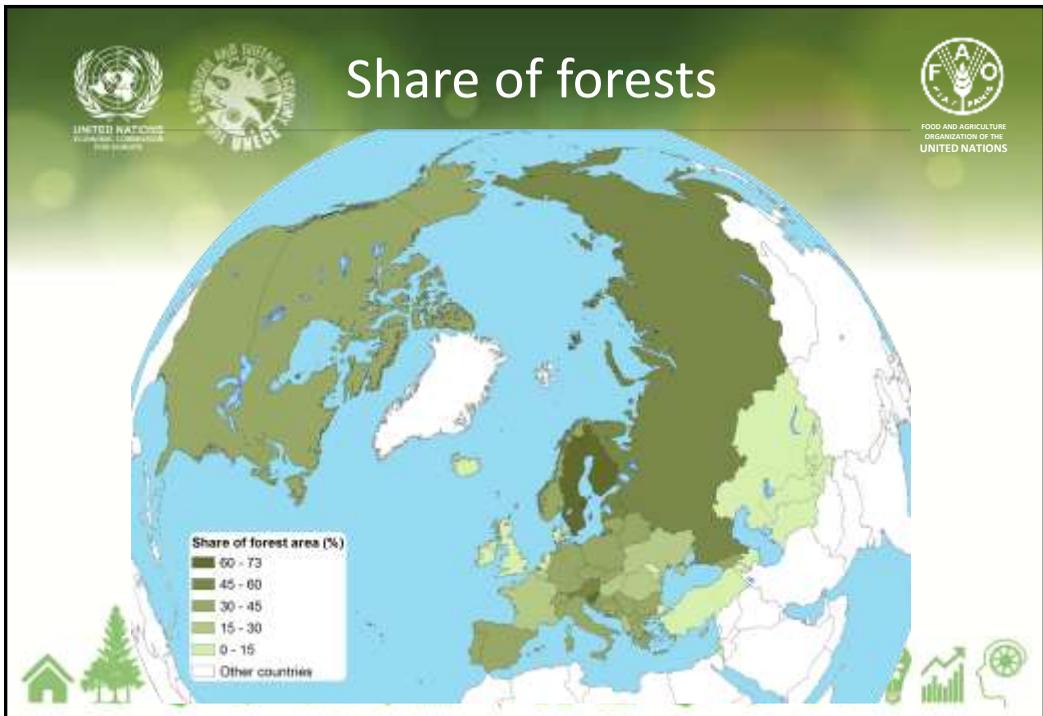
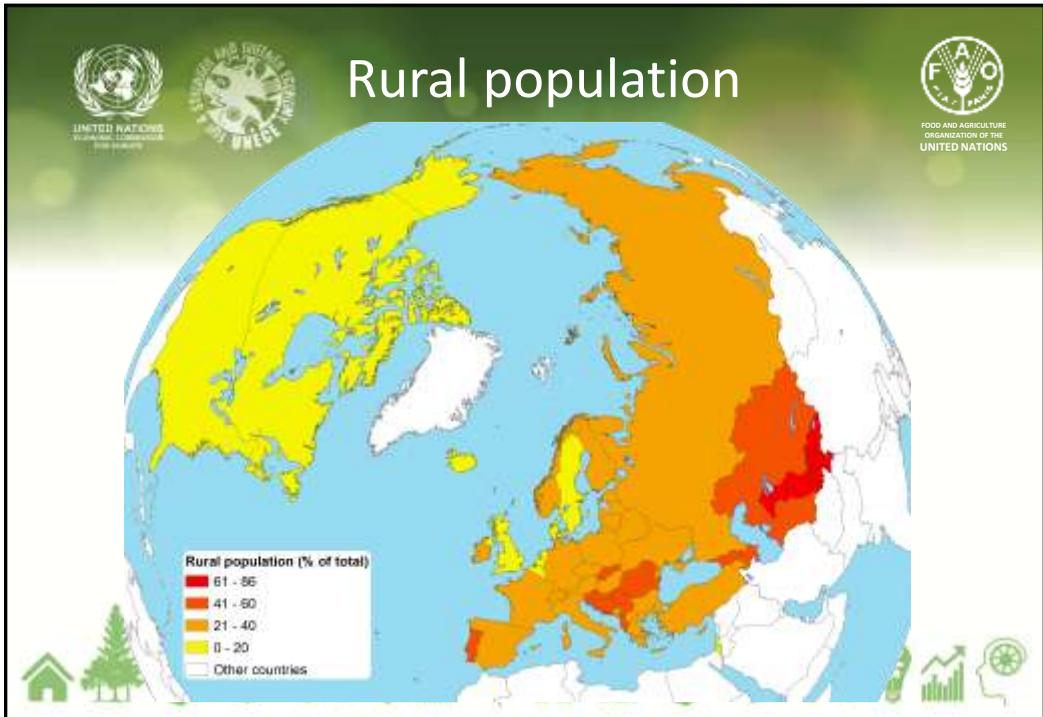


**Self 2011 Subregions**

Subregion	Color
Central-East Europe	Dark Green
Central-West Europe	Light Green
North Europe	Yellow
Russian Federation	Brown
South-East Europe	Pink
South-West Europe	Light Blue
EU27	White with grid









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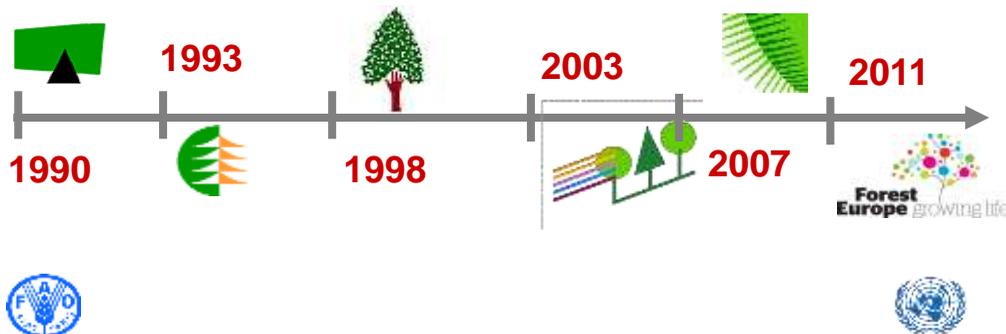
## FOREST EUROPE



**Ministerial Conference on the Protection of Forests in Europe**

- Helsinki 1993
- Oslo 2007
- Warsaw 2007
- Vienna 2003
- Strasbourg 1990
- Lisbon 1998
- Madrid

## FOREST EUROPE - PROCESS 1990 - 2012



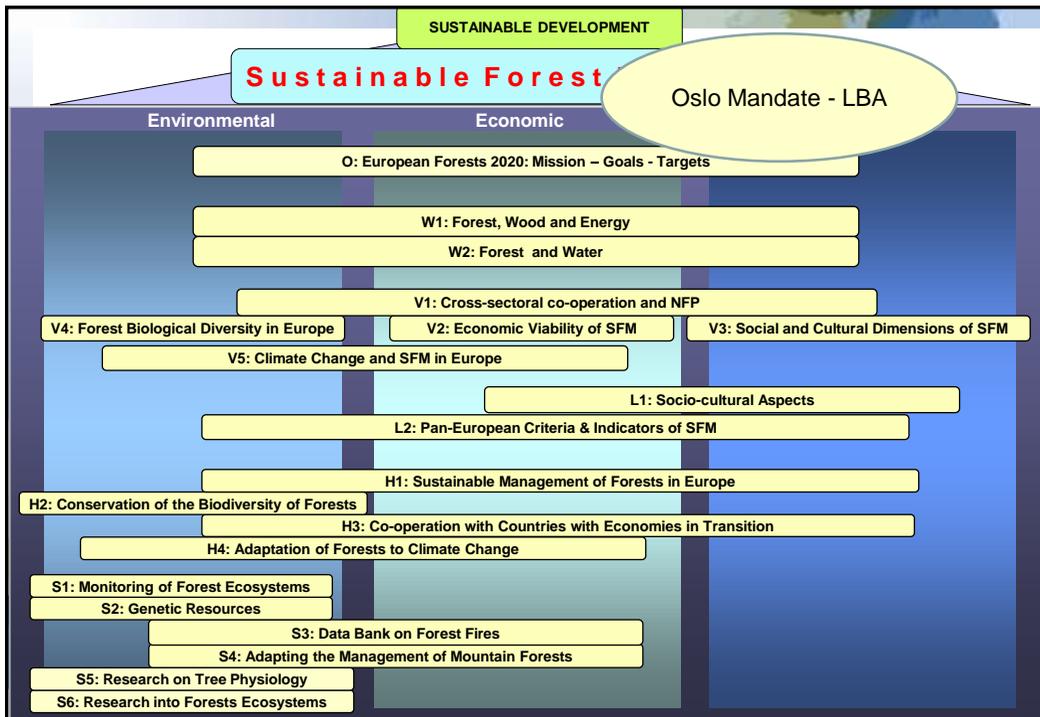
### HELSINKI 1993



#### *Definition of Sustainable Forest Management (SFM)*

*“... the stewardship and use of forests and forest lands in a way, and at a rate, that maintains their biodiversity, productivity, regeneration capacity, vitality and their potential to fulfil, now and in the future, relevant ecological, economic and social functions, at local, national, and global levels, and that does not cause damage to other ecosystems.”*





### Tools for SFM

- Operational Level Guidelines for SFM (1998)
- Criteria and Indicators for SFM (1998/2003)
- Approach to National Forest Programmes in Europe (2003)
- Assessment Guidelines for Protected and Protective Forest and OWL in Europe (2003)
- Guidelines for Afforestation and Reforestation (2011)





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### Criteria and Indicators for SFM (1998/2003) State of Europe's Forests




## State of Europe's Forests 2011

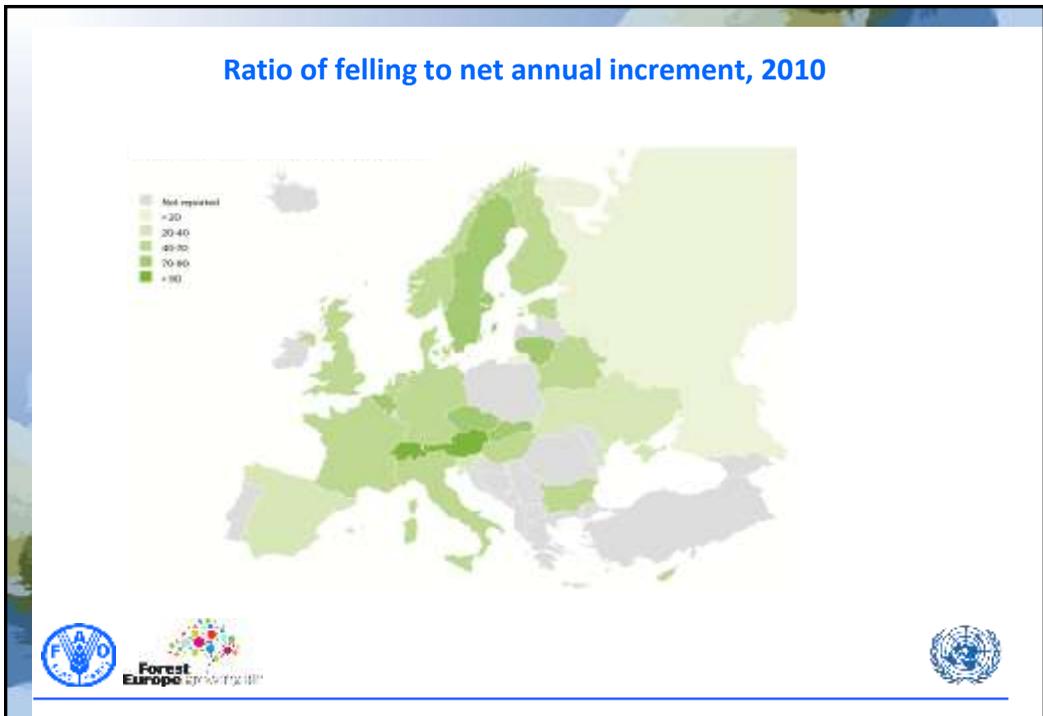
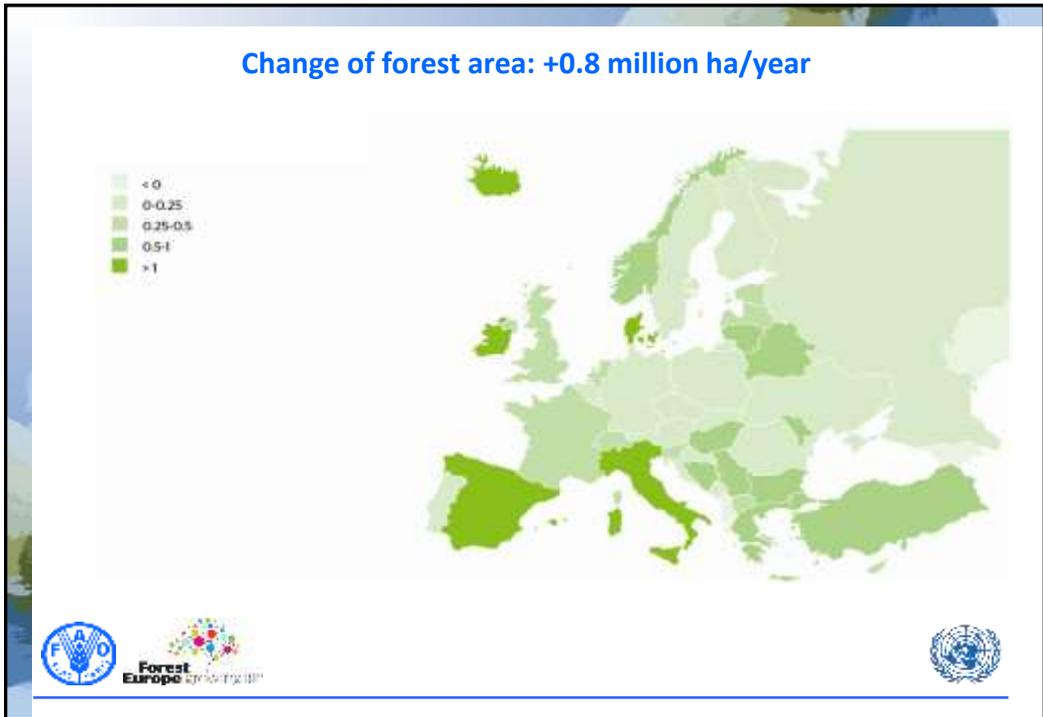


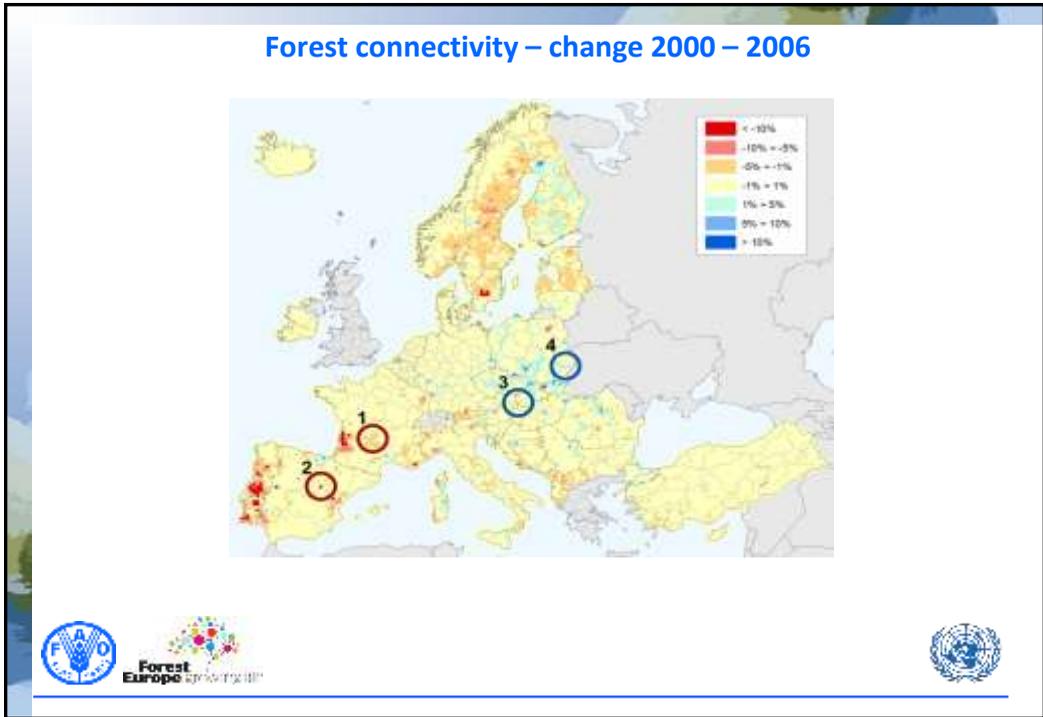
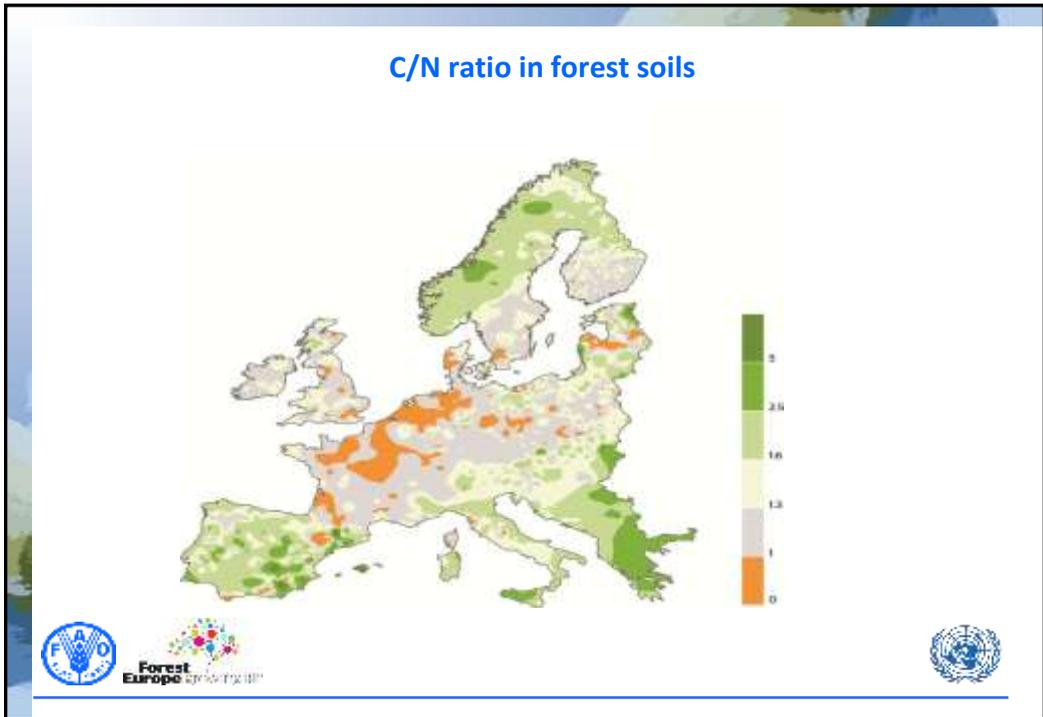
- Provides a comprehensive and fact-based picture of forests and sustainable forest management in Europe
- The best ever information on Europe's forests
- Addresses policy challenges
- Jointly prepared by FOREST EUROPE, UNECE and FAO
- Based on input from 400 correspondents and experts, 60 authors and 27 national and international organisations all over Europe

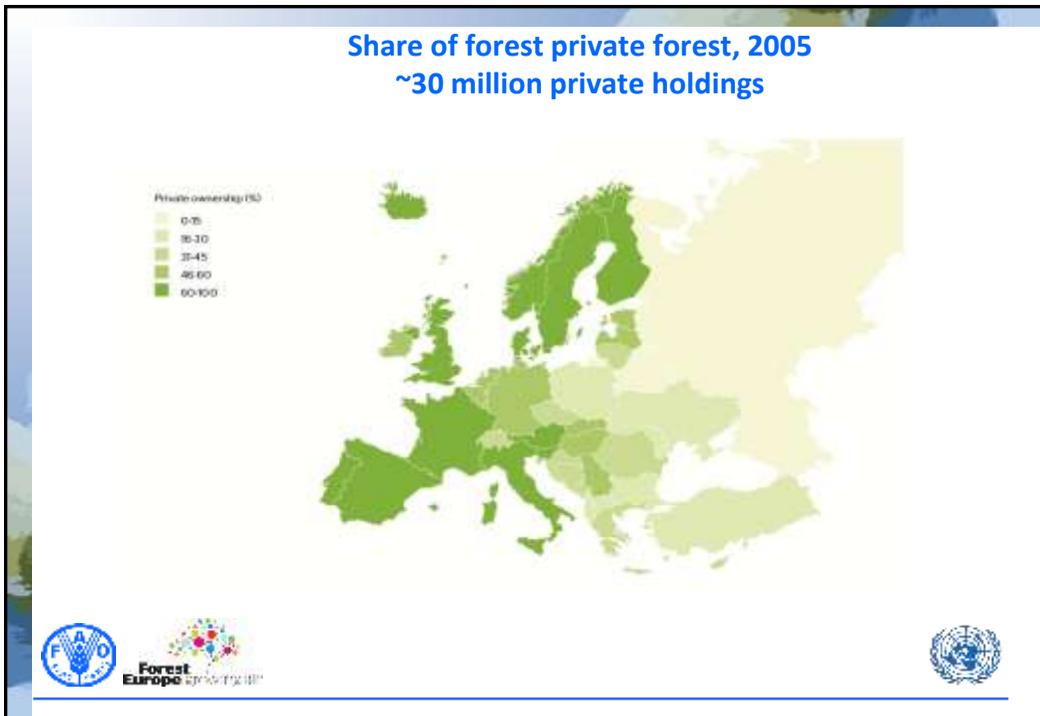
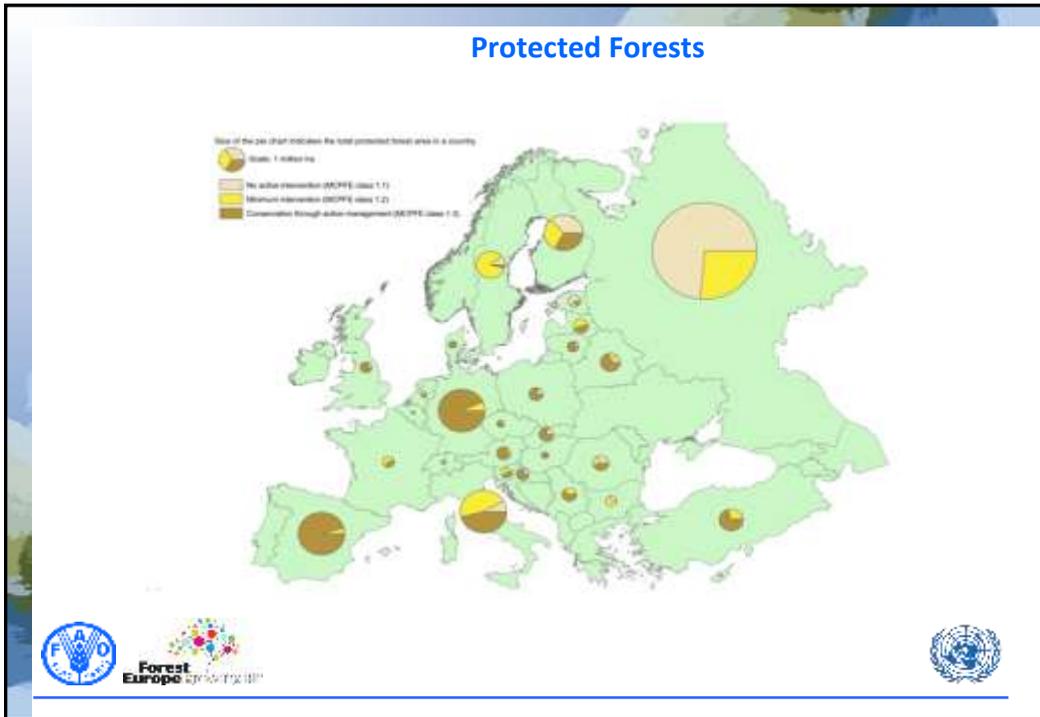


## Forest cover: 45% of total land area (32% without Russia)

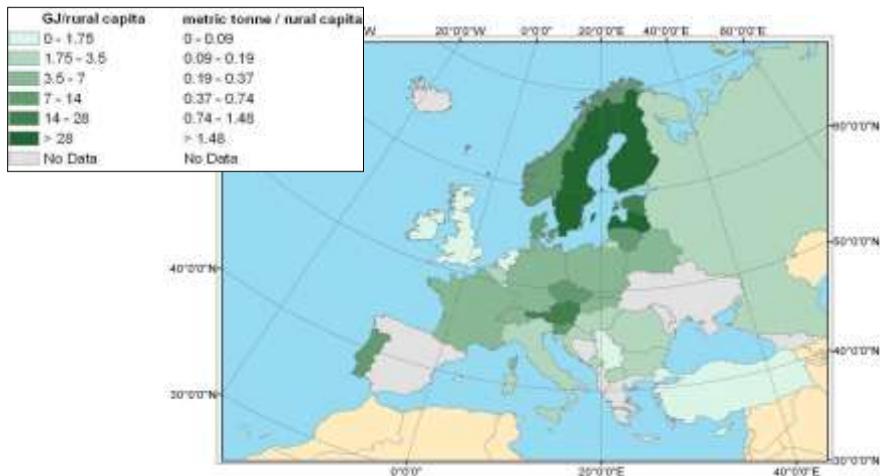








## Wood energy consumption per capita rural population, 2010



## Other findings ...

- About 1% of **gross domestic product** (forest sector)
- In a few countries, **net revenue** of forest enterprises is negative
- 4 million **jobs** in the forest sector
- **Workforce** is shrinking, old, too many accidents
- **Information** problems, especially in South-West and South-East Europe



### Policies, institutions and instruments

- Increasing influence of international processes and other sectoral policies: climate change, energy, biodiversity and agriculture
- Policy objectives and instruments have been adapted in most policy areas in more than half the reporting countries since 2007
- National policy objectives have changed, notably on
  - biodiversity
  - carbon balance
  - production and use of wood
  - land use and forest area
- Lack of coherence with other policy areas still a challenge



### Is forest management in Europe sustainable?

- An experimental method, based on data provided for the State of Europe's Forests 2011 report, provided promising initial results
- Countries' performance for each key parameter was assessed on a scale from one "tree" (▲) to five "trees" (▲▲▲▲▲)
- An assessment was prepared for all quantitative and qualitative indicators, by country group, based on an average of the countries' assessments, weighted by land area, and counting "No data" as ▲.



## SFM assessment – “tree method”

	C1	C2	C3	C4	C5	C6	Part A	Part B
	Forest resources and global carbon stock	Health and vitality	Productive functions	Biodiversity	Protective functions	Socio-economic functions	Overall policies, institutions and instruments for sustainable forest management	Policies, institutions and instruments by policy area
<b>Russian Federation</b>	▲▲▲	▲▲▲	▲▲▲	▲▲▲	▲▲▲▲	▲▲▲	▲▲▲	▲▲▲▲
<b>North Europe</b>	▲▲▲	▲▲▲	▲▲▲	▲▲▲	▲▲▲	▲▲▲	▲▲▲	▲▲▲▲
<b>Central-West Europe</b>	▲▲▲	▲▲▲	▲▲▲▲	▲▲▲	▲▲	▲▲▲	▲▲▲	▲▲▲▲
<b>Central-East Europe</b>	▲▲▲▲	▲▲▲	▲▲▲	▲▲▲	▲▲▲	▲▲	▲▲▲	▲▲▲
<b>South-West Europe</b>	▲▲▲▲	▲▲▲	▲▲▲	▲▲▲	▲▲▲	▲▲▲	▲▲▲	▲▲
<b>South-East Europe</b>	▲▲▲	▲▲	▲▲	▲▲	▲▲▲	▲▲	▲▲▲	▲▲▲
<b>European Union</b>	▲▲▲	▲▲▲	▲▲▲	▲▲▲	▲▲▲	▲▲▲	▲▲▲	▲▲▲



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## European Forest Outlook Study 2010 – 2030

**Analyses developments** in the forest sector and projects these trends into the future.

**Constructs scenarios** projecting the possible long term consequences of major policy choices.

**Assesses** whether future likely or proposed choice will lead **to sustainable development** of the forest sector.

**Provides information** and analysis useful for other sectors such as climate change, energy and land use.




## Methods Overview

Wood Resource Balance			
Method	SUPPLY	DEMAND	Method
EFISCEN	Potential supply from forest	Demand for products	Econometric projections
EUwood	Supply of other woody biomass	Demand for wood energy	Trend projections
EFI-GTM	+/- GAP ?		






# Scenarios



**Reference Scenario**  
– *What if we continue business as usual?*

**Maximizing Biomass Carbon**  
– *How much carbon could be stored?*

**Priority to Biodiversity**  
– *What if we focus on preserving/enhancing biodiversity?*

**Promoting Wood Energy**  
– *How to achieve the renewable energy targets?*

**Fostering innovation/Competitiveness**  
– *What would a successful innovation strategy lead to?*

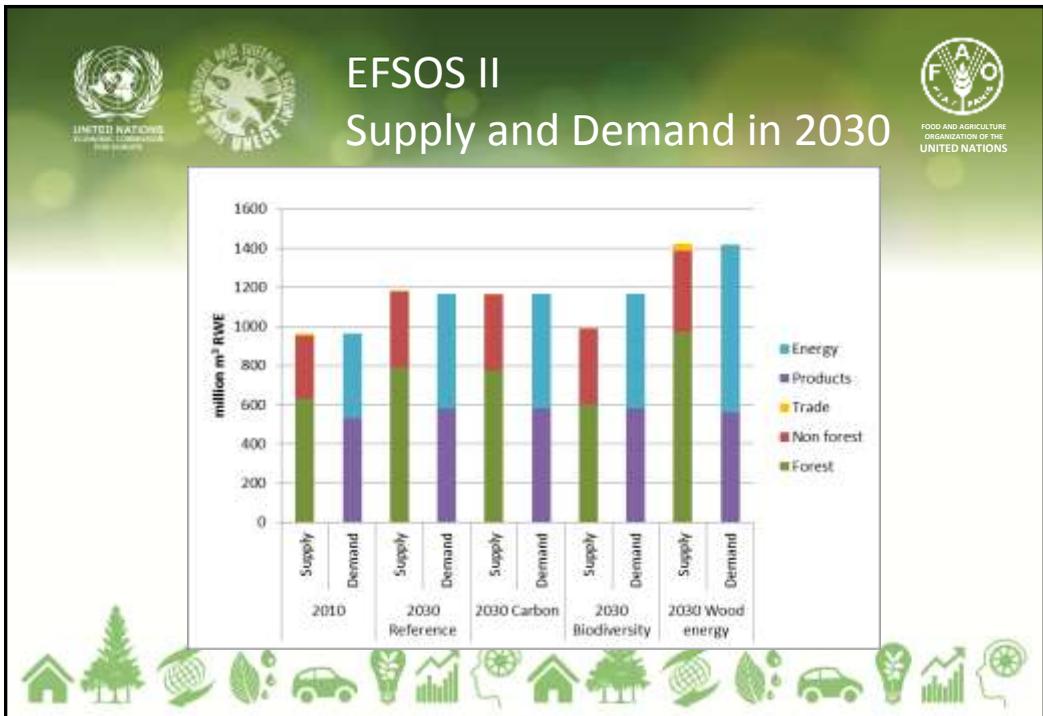

  
  





## Legally Binding Agreement

- Mandate for negotiations given by the Forest Europe Ministerial Conference, June 2011
- International Negotiating Committee initiated work in February 2012,
- Outcome (agreed text of convention) expected by the end 2013



## Other activities

- EFI project on review of implementation of C&I on regional, national and international level
- Forest Europe – review of SFM tools, including C&I





Thank you for attention

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